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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/034,302	12/28/2001	Gaetan Feige	CISCP277/5276	9729
22434	7590	10/19/2005	EXAMINER	
BEYER WEAVER & THOMAS LLP			BOAKYE, ALEXANDER O	
P.O. BOX 70250			ART UNIT	
OAKLAND, CA 94612-0250			PAPER NUMBER	
			2667	

DATE MAILED: 10/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/034,302

Applicant(s)

FEIGE ET AL.

Examiner

ALEXANDER BOAKYE

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 12 is/are allowed.
- 6) ☒ Claim(s) 1,7,9,10,13 and 14 is/are rejected.
- 7) ☒ Claim(s) 2-6,8 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 08/01/05,05/16/03,03/31/03
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 7, 9, 10, 13 and 14 are rejected under 35 U.S.C. 102(e) as being anticipated by Magret (US Patent # 6,856,624).

Regarding claim 1, Magret teaches in a Home Agent supporting Mobile IP, a method of establishing communication between a Mobile Node and a Home Agent (see Fig. 1), comprising: receiving a registration request packet from a Mobile Node, the registration request packet including an IP source address and a Home Agent address (column 10, lines 8-11; see Figs. 5 and 8) ; detecting from the registration request packet when network address translation of the IP source address has been performed (column 2, lines 47-50 ; column 5, lines 14-24); and when it has been detected that network address translation of the IP source address has been performed, setting up a tunnel between the Home Agent address and the IP source address (column 5, lines 14-24); wherein the tunnel is not UDP tunnel (column 6, lines 43-48).

Regarding claim 7, Magret teaches that the registration request packet further includes a care-of address, and wherein detecting from the registration request packet when network address translation has been performed comprises: determining whether the care-of address is a private address (column 9, lines 18-27); wherein network address translation has been performed when the care of address is a private address (column 9, lines 18-27; see Fig. 5).

Regarding claim 9, Magret teaches that the IP source address is a public address (lines 1-5 of the abstract).

Regarding claim 10, Magret teaches updating a mobility binding table with an entry associating the Mobile Node with the tunnel (column 10, lines 57-62).

Regarding claim 13, Magret teaches a Home Agent supporting Mobile, IP, the Home Agent being adapted for establishing communication between a Mobile node and the Home Agent (See Fig. 1) comprising: means for receiving a registration request packet from a Mobile Node, the registration request packet including an IP source address and a Home Agent address (column 10, lines 8-11; see 140 of Fig. 8) ; means for detecting from the registration request packet when network address translation of the IP source has been performed (column 2, lines 47-50; column 5, lines 14-24) and means for setting up a tunnel between the Home Agent address and the IP source address when it has been detected that network address translation of the IP source address has been performed (column 5, lines 14-24); wherein the tunnel is not a UDP tunnel (column 6, lines 43-48).

Regarding claim 14, Magret teaches a Home Agent supporting Mobile IP, the Home Agent being adapted for establishing communication between a mobile Node and the Home Agent, comprising: a processor, (column 5, lines 35-37); and a memory (The claimed memory is inherent in the mobile node 12 of Fig. 1), at least one of the processor and the memory being adapted for: receiving a registration request packet from a Mobile Node, the registration request packet including an IP source address and a Home Agent address (column 10, lines 8-11; see Figs. 5 and 8); detecting from the registration request packet when network address translation of the IP source address has been performed (column 2, lines 47-50; column 5, lines 14-24); and setting up a tunnel between the Home Agent address and the IP source address when it has been detected that network address translation of the IP source address has been performed (column 5, lines 14-24), wherein the tunnel is not a UDP tunnel (column 6, lines 43-48).

Allowable Subject Matter

2. Claims 2, 3, 4, 5, 6, 8, 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 12 is allowable.

The following is a statement of reasons for the indication of allowable subject matter: As to claim 12, the prior art of record does not teach a computer-readable medium storing thereon computer-readable instructions for establishing communication

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between a Mobile Node and a Home Agent supporting Mobile IP, comprising:
instructions for receiving a registration request packet from a Mobile Node, the
registration request packet including an IP source address and a Home Agent address;
instructions for detecting from the registration request packet when network address
translation of the IP source address has been performed.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Alexander Boakye whose telephone number is (571)
272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, Chi Pham, can be reached on (571) 272-3179. The Central Fax number is
(571) 273-8300. Any inquiry of a general nature or relating to the status of this
application or proceeding should be directed to Electronic Business Center numbers
866-217-9197 and 703-305-3028.

Alexander Boakye

Patent Examiner

AB

10/15/05


CHI PHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2200
11/17/05